



*Placer County*  
**AIR POLLUTION CONTROL DISTRICT**

**PLACER COUNTY AIR POLLUTION CONTROL DISTRICT**

**Sierra Pacific Industries Lincoln**

**Title V Operating Permit**

**Permit Number: SPI-001-1**

**Significant Modification July 09, 2007**

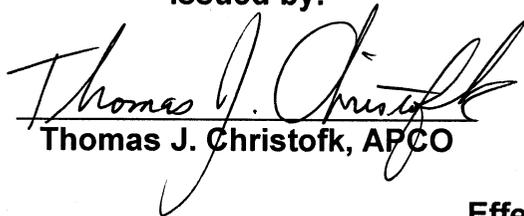
**Issued To:**

Sierra Pacific Industries  
Lincoln Division  
1445 Highway 65  
Lincoln, CA 95648

**Plant Site Location:**

Sierra Pacific Industries  
Lincoln Division  
1445 Highway 65  
Lincoln, CA 95648

**Issued by:**

  
Thomas J. Christofk, APCO

7-9-07

Date

**Effective:** July 09, 2007

**Expiration:** April 22, 2009

**Nature of Business:** Lumber Manufacture

**SIC Code:** 2421

**Responsible Official:**

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## **Title V Operating Permit**

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## 1. Facility Description and Equipment Lists

### 1.A. Description

Sierra Pacific Industries operates a wood products manufacturing facility consisting of 2 lumber mills, a lumber planer mill, and 2 wood-fired boilers.

### 1.B. Equipment Listing

#### 1. Sources

| Description   | Capacity   | Control          |
|---|--|------------------|
| Wood-Waste Boiler, Mfr: McBurney  | 289.3 MMBtu/hr<br>170,000 lbs/hr<br>1,400 psig (at boiler drum) and 1,000 degree F | C-1, C-5 and C-6 |
| Wellons Woodwaste Boilers (2)<br><br>Single monitoring system for all boilers.<br><br>Monitors for: Flow, NOx, CO, CO <sub>2</sub> , O <sub>2</sub> , and Opacity | 158 MMBtu/hr<br>85,000 lbs/hr @ 600 psig   | C-1, C-2 and C-3 |
| Planer mill shavings and chip reclaim system  | N/A  | C-4              |
| Small log mill chip and sawdust reclaim system  | N/A  | N/A              |
| Small log mill debarker and bucksaw reclaim system  | N/A  | N/A              |
| Large log mill chip and sawdust reclaim system  | N/A  | N/A              |
| Large log mill debarker and bucksaw reclaim system  | N/A  | N/A              |
| Cooling Tower   | N/A  | N/A              |
| Emergency Diesel Fire Pump  | 185 HP   | N/A              |
| Anti-Sapstain Spray System  | N/A  | N/A              |

## 2. Emissions Control Equipment

| ID  | Description  | Capacity                       | Control |
|-----|--|--------------------------------|---------|
| C-1 | Electrostatic Precipitator                                     | 35,259 sq. ft.<br>150,000 ACFM | N/A     |
| C-2 | NALCO/FUELTECH NOx OUT Urea Injection System (NOx OUT Reagent) | 54 gallons per hour per boiler | N/A     |
| C-3 | Multicone dust collector                                       | 65,700 ACFM per                | N/A     |

|     |   |        |     |
|-----|---|--------|-----|
|     |   | boiler |     |
| C-4 | Cyclone and Baghouse (1 North and 1 South)  | N/A    | N/A |
| C-5 | Selective Non-Catalytic Reduction System, Mfr: Sierra Pacific Industries, Reagent: Anhydrous Ammonia. | N/A    | N/A |
| C-6 | Multicone collector   | N/A    | N/A |

## 1.C. Exempt Equipment

### 1. Insignificant Sources

| Description  | Capacity   | Control                       |
|--|------------|-------------------------------|
| Safety Kleen Solvent Parts Washers<br>Stoddard Solvent | N/A        | Separate sump with closed Lid |
| Above ground gasoline storage tank                     | 500 gallon | N/A                           |

### 2. Exempt Sources

| Description | Capacity | Basis                |
|-------------|----------|----------------------|
| Dry Kilns   | N/A      | Rule 501 Section 123 |

### 1.D. Insignificant Activities

The following types of activities are exempted from the Title V permit requirements based on EPA's guidelines of Trivial Activities.

1. Plant maintenance and upkeep activities, such as painting.
2. Combustion emissions from propulsion of mobile sources.
3. The repair and maintenance shop activities not related to the source's primary business activities.
4. Portable generators, portable steam cleaners, and water heaters/steam cleaners.
5. Unheated cleaning equipment and office janitorial activities and equipment and consumer use of janitorial products and consumer use of office equipment and products.

## **2. SPECIFIC UNIT CONDITIONS**

### **2.A Boilers**

#### **2.A.1. Emissions Limits All Boilers**

**2.A.1.a.** PM-10 emission limits are the sum of the filterable and condensable fractions (front and back half)

Origin: AC-03-20 Condition 64

Authority: Rule 501 § 405; 501 § 303; 502 § 302; HSC 42301

**2.A.1.b.** PM-10 emission shall not exceed 0.015 grains per dscf @ 12% CO<sub>2</sub>.

Origin: AC-03-20 Condition 65

Authority: Rule 501 § 405; 501 § 303; 502 § 302; HSC 42301

**2.A.1.c.** The particulate emissions concentration shall not exceed 0.012 grains per dry standard cubic foot of gas corrected to 12% CO<sub>2</sub> for solid particulate matter, front half only.

Origin: AC-03-20 Condition 69

Authority: Rule 501 § 405; 501 § 303; 502 § 302; HSC 42301

#### **2.A.2 Process Limits All Boilers**

**2.A.2.** The total steam output from all fired boilers shall not exceed a daily average of 170,000 pounds per hour of steam at any time.

Origin: AC-03-20 Condition 20; PSD-7-8-93 Condition 9.d.

Authority: Rule 501 § 405; 501 § 303; 502 § 302; HSC 42301; 40 CFR § 52.21 PSD

#### **2.A.3 Operating Conditions All Boilers**

**2.A.3.a.** Sierra Pacific Industries may operate one of the two existing boilers (SPIN-89-01 or SPIN-89-02) for standby use. The standby use shall not operate more than 876 hours annually. Any hour the standby boiler is fired to a temperature above ambient shall be counted against this limit.

Origin: AC-03-20 Condition 17

Authority: Rule 501 § 405; 501 § 303; 502 § 302; HSC 42301

**2.A.3.b.** Only one boiler may be operated at any time, except that both the McBurney boiler (primary) and one Wellons boiler (standby) may both be operated contemporaneously when a transition from operating the primary boiler to the standby boiler or from operating the standby boiler to the primary boiler is occurring. If both boilers are operating, the emission limitations for the standby boiler apply.

Origin: AC-03-20 Condition 19

Authority: Rule 501 § 405; 501 § 303; HSC 42301

**2.A.3.** All three fields of the electrostatic precipitator shall normally be operating whenever a boiler is fired. In the event of a failure of one of the fields, Sierra Pacific Industries shall notify the Air Pollution Control Officer within 24-hours and initiate

repairs. A failure which persists longer than one hundred and sixty-eight (168) hours shall constitute a violation unless Sierra Pacific Industries has obtained an Emergency Variance pursuant to rule 404, Upset Conditions, Breakdown or Scheduled Maintenance. Sierra Pacific Industries is to notify the District within 24 hours of completion of repairs.

Origin: AC-03-20 Condition 3

Authority: Rule 501 § 405; 501 § 303; HSC 42301

**2.A.3.c.** Any boiler that is operated must be current on the performance testing.

Origin: AC-03-20 Condition 21

Authority: Rule 501 § 405; 501 § 303; HSC 42301

#### **2.A.3.d. Fuels All Boilers**

**2.A.3.d.1.** The moisture content of the fuel shall not exceed 55% on an annual average. At least one composite sample of fuel to be burned shall be taken daily from fuel in the fuel house and moisture content measured and logged. Wet fuel is not a valid excuse for emission violations.

Origin: AC-03-20 Condition 28

Authority: Rule 501 § 405; 501 § 303; HSC 42301

#### **2.A.3.d.2. Approved Fuels**

Biomass boiler fuels are limited to (1) wood, wood residue, bark, or any derivative fuel or residue thereof, including, but not limited to, sawdust, sanderdust, wood chips, millings, shavings, and processed pellets made from wood residue; and (2) agricultural crop residues, including almond shells and rice hulls, not to exceed 10% by weight of the fuel mix on an annual basis. (3) The burning of conditionally exempt controlled substances, as defined by Title 22, Division 4.5, Chapter 11, Article 1, Section 66261.4 of the California Code of Regulations, is allowed when conducted at the request of a public law enforcement agency (e.g. Placer County Sheriff) in full compliance with the requirements of Subsection (g), Controlled Substances, of Section 66261.4.

Origin: AC-03-20 Condition 27

Authority: Rule 501 § 405; 501 § 303; HSC 42301

Note: Processed pellets may include sandercubes containing medium density fiberboard by-products.

#### **2.A.3.d.3. Prohibited Fuels**

Paper products, painted wood, any non-wood material, chemically treated wood residue, and/or material containing toxic or hazardous materials which may be defined as "hazardous wastes" per Section 25117, California Health and Safety Code, Division 20, Chapter 6.5 and any material not totally free of any hazardous material as determined, or defined, in Title 22, California Code of Regulations, is prohibited from use as a fuel.

#### **2.A.3.d.4. Fuel Subject to District Approval**

i. Any boiler biomass fuel not identified in 2.C.2.a, above, including urban wood waste

(e.g. industrial wood waste, or residential wood waste) is subject to the review and approval by the Air Pollution Control Officer pursuant to Section 42301 of the California Health and Safety Code.

ii. Fuels proposed as Alternative Boiler Fuel in accordance with 5.B are subject to the review and approval by the Air Pollution Control Officer prior to use.

iii. The Air Pollution Control Officer may limit or prohibit the use of any fuel found to cause the exceeding of any emission limitation contained in this permit, District Rules or Regulations, or state or federal air pollution laws.

iv. The Air Pollution Control Officer may limit or prohibit the use of any fuel found to contribute to the production of discharged air contaminants in such quantities as to pose a hazard to public health or property.

Origin: PTO-6-1-97 Condition 20

Authority: Rule 502, New Source Review § 303 [amended 11-03-94]

## 2.B. Primary Boiler

### 2.B.1 Emission Limits Primary Boiler

**2.B.1.a.** The emissions from the primary wood-waste boiler shall not exceed the following rates. Pounds per hour and ppmv rates are based on three-hour rolling averages. The NOx and CO limits apply at all times, including startup and shutdown of the boiler.

| POLLUTANT                               | PPMV @12% CO2<br>(3 hr. rolling<br>average) | Lbs/Hr.<br>(3-hr. rolling<br>average) | Lbs/QUARTER |
|---|---|---------------------------------------|-------------|
| Carbon Monoxide<br>(CO)                 | 1000  | 170                                   | 325,000     |
| Nitrogen Oxides<br>(NOx)                | 91  | 37.6                                  | 82,278      |
| PM-10:                                  | NA  | 5.5                                   | 12,025      |
| Sulfur Oxides<br>(SOx)                  | NA  | 2.6                                   | 5,696       |
| Volatile Organic<br>Compounds<br>(VOCs) | NA  | 5.5                                   | 12,025      |

Origin: AC-03-20 Condition 66, revised by AC-07-22 Condition 1

Authority: Rule 501 § 405; 501 § 303; HSC 42301

**2.B.1.b.** Ammonia slip shall not exceed 20 ppmv.

Origin: AC-03-20 Condition 63

Authority: Rule 501 § 405; 501 § 303; HSC 42301

### 2.B.2 Process Limits Primary Boiler

**2.B.2.a.** The steam output of the primary boiler shall not exceed a daily average of 170,000 pounds per hour. Origin: AC-03-20 Condition 7

Authority: Rule 501 § 405; 501 § 303; HSC 42301

**2.B.2.b.** The maximum pressure of the output steam of the primary boiler shall not exceed 1,400 psig at the boiler drum and the temperature of the output steam of the primary boiler shall not exceed 1,000 degrees F.

Origin: AC-03-20 Condition 8, SPAC-06-01 Condition 8

Authority: Rule 501 § 405; 501 § 303; HSC 42301

### **2.B.3 Operating Conditions Primary Boiler**

**2.B.3.a** The air pollution control equipment for the exhaust of the primary boiler shall include a new multicone collector, a new selective non-catalytic reduction (SNCR) system for NOx and the existing electrostatic precipitator in Permit to Operate SPAC-89-03.

Origin: AC-03-20 Condition 1

Authority: Rule 501 § 405; 501 § 303; HSC 42301

**2.B.3.b.** An ammonia injection system with 10 injectors will be installed in the primary boiler and all injectors shall be in-place whenever the boiler is operated. The ammonia injection system shall be designed for the injection rates to be automatically controlled. Injector nozzles are to be continuously installed in the injection positions. Two sets of injector positions are to be installed in the boiler to allow optimization of NOx reduction.

Origin: AC-03-20 Condition 9 and SPAC-06-01 Condition 9

Authority: Rule 501 § 405; 501 § 303; HSC 42301

**2.B.3.c.** The ammonia injection system shall be designed and operated to automatically inject ammonia beginning at a set point determined during initial engineering tests. This set point has been established as 54 to 62 ppm NOx.

Origin: AC-03-20 Condition 12 and SPAC-06-01 Condition 11

Authority: Rule 501 § 405; 501 § 303; HSC 42301

**2.B.3.d.** The primary boiler capacity factor (as defined in 40 CFR 60.49b(d)) on natural gas shall be less than 10%.

Origin: AC-03-20 Condition 32

Authority: Rule 501 § 405; 501 § 303; HSC 42301

### **2.C. Limits Standby Wellons Boiler**

#### **2.C.1. Emissions Limits Standby Wellons Boiler**

##### **2.C.1.a. Oxides of Nitrogen (NOx) Limits Standby Wellons Boiler**

Sierra Pacific Industries shall not discharge or cause the discharge of NOx into the atmosphere from the Wellons boilers in excess of the following limits:

1. The more stringent of 46.0 lbs./hr or 115 ppm at 12% CO2 averaged over a three-hour period.
2. The more stringent of 40.0 lbs./hr or 100 ppm at 12% CO2 averaged over a 24-hour period.

Origin: PSD-7-8-93 Condition IX. E.

Authority: 40 CFR § 52.21 PSD

**2.C.1.b. Carbon Monoxide (CO) Limit Standby Wellons Boiler**

Sierra Pacific Industries shall not discharge or cause the discharge of CO into the atmosphere from the Wellons Boilers in excess of the more stringent of:

1. 360 lbs./hr or 1500 ppm at 12% CO<sub>2</sub> averaged over an 8-hour period or
2. 240 lbs./hr or 1000 ppm at 12% CO<sub>2</sub> averaged over a 24-hour period.

Origin: PSD-7-8-93 Condition IX. F

Authority: 40 CFR § 52.21 PSD

**2.C.1.c. PM10 Limit Standby Wellons Boiler**

**2.C.1.c.1.** The particulate emissions concentration shall not exceed 0.012 grains per dry standard cubic foot of gas corrected to 12% CO<sub>2</sub> for solid particulate matter, front half only.

Origin: ATC-95-27 Condition 1 and PTO-6-1-97 Conditions 23

Authority: Rule 502, New Source Review § 303 [amended 11-03-94]

**2.C.1.c.2.** Sierra Pacific Industries shall not discharge or cause the discharge of PM10 in excess of the more stringent of 7.25 lbs./hr or 0.015 gr./dscf at 12% CO<sub>2</sub> from the Wellons boiler.

Origin: PSD-7-8-93 Condition IX.G.1.

Authority: 40 CFR § 52.21 PSD

**2.C.1.d. Opacity Limit Standby Wellons Boiler**

**2.C.1.d.1.** Sierra Pacific Industries shall not discharge or cause the discharge into the atmosphere from the boiler exhaust stack gases which exhibit an opacity of 20% or greater for any period or periods aggregating more than six minutes in any one hour.

Origin: PSD-7-8-93 Condition IX.G.2.

Authority: 40 CFR § 52.21 PSD

**2.C.1.d.2.** An emission opacity as dark or darker than Ringelmann No. 1 (20% opacity) for a period or periods aggregating more than three (3) minutes in any one hour is prohibited and is in violation of District Rule 202, Visible Emissions.

The opacity limitation shall not apply to smoke emissions from burners fired with forestry and agricultural residues or forestry and agricultural residues with supplementary fossil fuels when such emissions result from the startup or shutdown of the combustion process, as defined by Rule 233, or from the malfunction of emission control equipment. This exemption shall not apply to emissions which exceed a period or periods of time aggregating more than 30 minutes in any 24 hour period. This exemption shall not apply to emissions which result from the failure to operate and maintain in good working order any emission control equipment

Origin: ATC-89-03 Condition 9.

Authority: Rule 202, Visible Emissions [amended 05-20-85]

## **2.C.2. Operating Conditions Standby Wellons Boiler**

### **2.C.2.a. General Conditions Standby Wellons Boiler**

The Wellons boiler is subject to the Standards of Performance for New Stationary Sources (NSPS) 40 CFR 60, Subparts A, and Db, including all emission limits and all notification, testing, monitoring, and reporting requirements.

Origin: PSD-7-8-93 Condition IX.J.

Authority: 40 CFR § 52.21 PSD

### **2.C.2.b. Control Equipment Standby Wellons Boiler**

Sierra Pacific Industries shall continuously operate and maintain the following air pollution controls to minimize emissions.

1. The boiler shall be equipped with a set of multiclones and an ESP for the control of particulate emissions.

2. Fuel conveyors shall be covered, the fuel hog shall be enclosed in a steel building and a water fog system at the hog throat shall be used for control of fugitive dust emissions.

3. The boiler shall be equipped with a urea injection system for the control of NOx emissions.

Origin: PSD-7-8-93 Condition IX.B.

Authority: 40 CFR § 52.21 PSD

## **2.D. Emergency Fire Pump**

### **2.D.1 Emissions Limits Emergency Fire Pump**

None

### **2.D.2 Process Limits Emergency Fire Pump**

Operation for maintenance and testing of the emergency diesel engine and fire pump shall be limited to 20 hours per year.

Origin: ATC-02-81, modified by CARB Airborne Toxic Control Measure for Stationary Compression Ignition Engines

Authority: Rule 502, New Source Review § 110 [amended 11-03-94]

### **2.D.3. Operating Conditions Emergency Fire Pump**

**2.D.3.a.** Operation of the emergency diesel engine for other than maintenance and testing purposes shall be limited to involuntary interruptions of electrical power or an actual fire emergency.

Origin: ATC-02-81

Authority: Rule 502, New Source Review § 110 [amended 11-03-94]

**2.D.3.b.** Operation shall not exceed 24 hours without prior authorization by the Air Pollution Control Officer.

Origin: ATC-02-81

Authority: Rule 502, New Source Review § 110 [amended 11-03-94]

## **2.E. Planner Mill**

**2.E.1. Emissions Limits Planner Mill**

For the control of PM10 emissions, the cyclone and baghouse shall operate at all times the planer and trim saw are in operation.

Origin: Rule 502, New Source Review § 303 [amended 11-03-94]

Authority: Rule 502, New Source Review § 303 [amended 11-03-94]

District Only

**2.E.2. Process Limits Planner Mill**

None

**2.E.3. Operating Conditions Planner Mill**

Spare bags numbering 20% of the total bags used in the planer mill baghouse shall be kept on site as replacements.

Origin: Rule 501, General Permit Requirements § 303.4 [amended 11-03-94]

Authority: Rule 501, General Permit Requirements § 303.4 [amended 11-03-94]

District Only

**2.F. ANTI-SAPSTAIN SPRAY SYSTEM**

**2.F.1. Emission Limits Anti-Sapstain Spray System**

The emissions of VOCs from the anti-sapstain spray system shall not exceed either 86 pounds per quarter nor 344 pounds per year.

Origin: AC-04-70 Condition 5.

Authority: Rule 502, New Source Review § 303 [amended 12-9-04]

District Only

**2.F.2 Process Limits Anti-Sapstain Spray System**

The fungicide spray concentrate shall be reduced in a 40:1 ratio with water. The spray concentrate is made up of the following components. Changes in the composition of the spray shall have prior approval of the Air Pollution Control Officer.

| COMPONENT      | MIX % | VOC (g/l) | PURPOSE          |
|----------------|-------|-----------|------------------|
| Britewood PF-1 | 5     | 508       | Fungicide        |
| Britewood Z-40 | 7.5   | 578       | Sapstain Control |
| MP-75          | 77.5  | 0         | Penetrator       |
| N/A            | 10    | 0         | Anti-Foam Agent  |

Origin: AC-04-70 Condition 2.

Authority: Rule 502, New Source Review § 303 [amended 12-9-04]

District Only

**2.F.3 Operating Conditions Anti-Sapstain Spray System**

The quantity of sapstain control concentrate used shall be limited to 152 gallons per quarter.

Origin: AC-04-70 Condition 3.

Authority: Rule 502, New Source Review § 303 [amended 12-9-04]

District Only

### **3. FACILITY-WIDE CONDITIONS**

#### **3.A. Opacity Rule 202 and 203**

**3.A.1.** An emission opacity as dark or darker than Ringelmann No. 1 (20% opacity) for a period or periods aggregating more than three (3) minutes in any one hour is prohibited and is in violation of District Rule 202, Visible Emissions.

Origin: ATC-88-30 Condition 13.

Authority: Rule 202, Visible Emissions [amended 05-20-85]

District Only

**3.A.2.** Except as outlined in District Rule 203, Exceptions to Rule 202, emissions opacity as dark or darker than Ringelman No. 1 (20% Opacity) for a period or periods aggregating more than three (3) minutes in any hour is prohibited as per Rule 202, Visible Emissions. Compliance shall be determined by a visible emissions evaluation by a CARB Certified observer or the reading from the CEMS opacity monitor.

Origin: AC-03-20 Condition 58.

Authority: Rule 202

**3.A.3.** Rule 203, Exceptions to Rule 202, (Visible Emissions), exempts visible emissions from the boilers from being deemed a violation of Rule 202, Visible Emission only when such emissions result from the startup or shutdown of the combustion process or from the malfunction of emission control equipment.

a. Startup is the period of time a unit is heated from cold or ambient temperature.

b. Shutdown is the period of time the unit is cooled from its normal operating temperature to cold.

c. Rule 203 does not allow exemptions for visible emissions which exceed a period or periods of time aggregating more than 30 minutes in any 24-hour period.

d. Rule 203 shall not apply to emissions which result from the failure to operate and maintain in good working order any emission control equipment.

e. Rule 203 only applies to Rule 202, Visible Emissions, violations. It does not apply to other emission limits.

Origin: AC-03-20 Condition 60

Authority: Rule 203

#### **3.B. Nuisance Rule 205**

##### **3.B.1. General**

No emissions are permitted, from any source, which are a nuisance per District Rule 205, Nuisance.

Origin: AC-03-20 Condition 57.

Authority: Rule 205

##### **3.C. PM Limit Rule 207**

In accordance with District Rule 207, Particulate Matter, Sierra Pacific Industries shall not release or discharge from any source or single processing unit, exclusive of sources emitting combustion contaminants only, particulate matter in excess of 0.1 gr/dscf at

standard conditions.

Origin: Rule 207, Particulate Matter [amended 10-19-93]

Authority: Rule 207, Particulate Matter [amended 10-19-93]

District Only

### **3.D. Specific Contaminant Limit Rule 210**

**3.D.1.** Sierra Pacific Industries shall not discharge into the atmosphere from any single source of emissions:

a. Combustion contaminants (particulate matter) exceeding 0.1 gr/dscf at 12 percent carbon dioxide (CO<sub>2</sub>) at standard conditions.

b. Sulfur compounds, calculated as sulfur dioxide, exceeding 0.2 percent by volume.

Origin: Rule 210, Specific Contaminants [amended 10-19-93]

Authority: Rule 210, Specific Contaminants [amended 10-19-93]

**3.D.2.** The emissions of PM shall not exceed 0.2 grains per cubic feet of gas corrected to 12% CO<sub>2</sub> pursuant to Rule 210, Specific Contaminants.

Origin: AC-03-20 Condition 59.

Authority: Rule 210

### **3.E. Process PM Limit Rule 211**

Sierra Pacific Industries shall not discharge in any one hour from any source of emissions, solid particulate matter in excess of the amount calculated using the following equations:

For Process rates less than 30 tons per hour;

$$E = 3.59 P^{0.62}$$

For Process weight > 30 tons per hour;

$$E = 17.31 P^{0.16}$$

Where:

E = Emission limit in pounds per hour

P = Process weight rate in tons per hour

Origin: Rule 211, Process Weight [amended 10-19-93]

Authority: Rule 211, Process Weight [amended 10-19-93]

### **3.F. Fugitive Dust Rule 228**

**3.F.1.** A person shall not cause or allow the emissions of fugitive dust from any active operation, open storage pile, or disturbed surface area (including disturbance as a result of the raising and/or keeping of animals or by vehicle use), such that the presence of such dust remains visible in the atmosphere beyond the boundary line of the emission source.

Origin: Rule 228, Fugitive Dust, Section 301 [amended 04-10-03]

Authority: Rule 228, Fugitive Dust, Section 301 [amended 04-10-03]

District Only

**3.F.2.** In addition to the requirements of Rule 202, Visible Emissions, a person shall not cause or allow fugitive dust generated by active operations, an open storage pile, or a

disturbed surface area, such that the fugitive dust is of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke as dark or darker in shade as that designated as No. 2 on the Ringelmann Chart (i.e. 40% opacity), as published by the United States Bureau of Mines.

Origin: Rule 228, Fugitive Dust, Section 301 [amended 04-10-03]

Authority: Rule 228, Fugitive Dust, Section 302 [amended 04-10-03]

District Only

**3.F.3.** All service roads and plant areas shall be maintained in a manner that effectively controls fugitive dust and prevents the violations of the California Health and Safety Code Section 41700 and District Rule 205, Nuisance, and District Rule 228, Fugitive Dust.

Origin: PTO-6-1-97 Condition 16.

Authority: Rule 205, Nuisance [amended 05-24-77], and Rule 228, Fugitive Dust [amended 04-10-03]

District Only

**3.F.4.** All trucks hauling woodwaste shall be filled and emptied in such a manner that effectively controls fugitive dust and prevents violations.

Origin: ATC-88-30 Condition 17.

Authority: Rule 205, Nuisance [amended 05-24-77], and Rule 228, Fugitive Dust [amended 04-10-03]

### **3.F.5**

Sierra Pacific Industries shall not cause or allow the emissions of fugitive dust from any active operation, open storage pile, or disturbed surface area (including disturbance as a result of the raising and/or keeping of animals or by vehicle use), such that the presence of such dust remains visible in the atmosphere beyond the boundary line of the emission source.

In addition to the requirements of Rule 202, Visible Emissions, a person shall not cause or allow fugitive dust generated by active operations, an open storage pile, or a disturbed surface area, such that the fugitive dust is of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke as dark or darker in shade as that designated as No. 2 on the Ringelmann Chart (i.e. 40% opacity), as published by the United States Bureau of Mines.

Origin: AC-03-20 Condition 60

Authority: Rule 228, Fugitive Dust

**3.F.6.** All wood waste conveying, transferring and storage operations shall be maintained to effectively control fugitive dust.

Origin: AC-03-20 Condition 23

Authority: Rule 501 § 405; 501 § 303; 502 § 302; HSC 42301; Rule 228, Fugitive Dust

**3.F.7.** Fuel conveyors shall be covered, the fuel hog shall be enclosed in a steel building and a water fog system at the hog throat shall be used for control of fugitive dust emissions.

Origin: AC-03-20 Condition 24

Authority: Rule 501 § 405; 501 § 303; 502 § 302; HSC 42301; Rule 228, Fugitive Dust

**3.F.8.** All vehicles hauling woodwaste and ash shall be filled, transferred and emptied in such a manner so as to prevent fugitive dust emissions into the atmosphere

Origin: AC-03-20 Condition 26

Authority: Rule

501 § 405; 501 § 303; 502 § 302; HSC 42301; Rule 228, Fugitive Dust

**3.F.9.** The authorized District agents shall have the right of entry to any premises on which an air pollution emission source is located for the purpose of inspecting such source, including securing samples of emissions therefrom, or any records required to be maintained therewith by the District.

Origin: AC-03-20 Condition 73

Authority: Rule 402

### **3.H. Report Upsets Rule 404**

**3.H.1.** The plant manager or designee shall notify the District (per Rule 404) of any upset conditions, breakdown or scheduled maintenance which cause emissions in excess of limits established by District Rules and Regulations.

Origin: PTO-6-1-97 Condition 3.

Authority: Rule 404, Upset Conditions, Breakdown, or Scheduled Maintenance § B.1 [amended 06-19-79]

District Only

**3.H.2.** Sierra Pacific Industries shall notify the District within two normal APCD business hours of any upset conditions, breakdown or scheduled maintenance which cause emissions in excess of limits established by District rules and regulations.

Origin: Rule 404, Upset Conditions, Breakdown, or Scheduled Maintenance § B.1 [amended 06-19-79]

Authority: Rule 404, Upset Conditions, Breakdown, or Scheduled Maintenance § B.1 [amended 06-19-79]

District Only

### **3.I. Source Record Keeping and Reporting Rule 408**

Upon notification from the District, Sierra Pacific Industries shall maintain records of the nature and amounts of emissions from any stationary source and/or any other information as may be deemed necessary by the District to determine whether such source is in compliance with applicable emission limitations or other control measures. The Air Pollution Control Officer may require that such records be certified by a professional engineer, registered in the State of California. Such studies shall be at the expense of the person causing the emissions. The information recorded shall be summarized and reported to the District, on forms or formats as furnished by the District, and shall be submitted within 45 days after the end of the reporting period. Reporting periods are January 1 - June 30 and July 1 - December 31, except that the initial report period shall commence on the date the District issues notification of the record keeping requirements. Information reported by Sierra Pacific Industries and copies of the summarizing reports submitted to the District shall be retained by Sierra Pacific Industries for 5 years after the date on which the pertinent report is submitted

Origin: Rule 408, Source Record Keeping and Reporting [amended 05-24-77]  
Authority: Rule 408, Source Record Keeping and Reporting [amended 05-24-77]

### **3.J. General District Permit Requirements Rule 501**

#### **3.J.1. Permit Revision Rules 501 and 507**

**3.J.1.a.** Revisions to this Title V Permit to Operate may be requested pursuant to District Rule 501, General Permit Requirements, Section 400 and District Rule 507, Title V Permit to Operate, Sections 302.6 and 302.7.

Origin: PTO-6-1-97 Condition 4.

Authority: Rule 501, General Permit Requirements § 400 [amended 11-03-94]; Rule 507 § 302.6 and § 302.7 [amended 04-17-01]

**3.J.1.b.** Revisions to this permit may be requested pursuant to District Rule 501, General Permit Requirements, Section 403.

Origin: AC-03-20 Condition 25

Authority: Rule 501 § 403

#### **3.J.2. Equipment Modification ATC Required Rule 501**

**3.J.2.a.** Authorization to construct the equipment listed and as prescribed in the approved plans and specifications is hereby granted, subject to the specified permit conditions. The construction and operation of listed equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted in the conditions. Deviation from the approved plans is not permissible without first securing approval for the changes from the Air Pollution Control Officer.

Origin: AC-03-20 Condition 71

Authority: Rule 501, General Permit Requirements § 300 [amended 11-03-94]

**3.J.2.b.** An Authority to Construct application shall be filed with the District before the modification or replacement of any equipment for which a Permit to Operate has been granted, and before the installation and operation of any equipment for which an Authority to Construct is required pursuant to Health and Safety Code, Section 42300, and District Rule 501, General Permit Requirements, Section 300.

Origin: PTO-6-1-97 Condition 5

Authority: Rule 501, General Permit Requirements § 300 [amended 11-03-94]

**3.J.2.c.** After obtaining any required pre-construction permits, a responsible official shall submit a standard District application for each emissions unit affected by a proposed permit revision that qualifies as a significant permit modification or a minor permit modification.

Origin: Rule 507, Federal Operating Permit Program, Section 302.6 and 302.7 [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program [amended 04-17-01]

#### **3.J.3.. Limit Exceedance Prohibited Rule 501**

**3.J.3.a.** Exceeding any limiting condition is prohibited without prior application for, and the subsequent granting of a permit modification pursuant to District Rule 501, General Permit Requirements, District Rule 507, Title V Permit to Operate, and, if necessary, a Prevention of Significant Deterioration (PSD) permit.

Origin: PTO-6-1-97 Condition 9.

Authority: Rule 501, General Permit Requirements § 400 [amended 11-03-94] and Rule 507 § 302.6 and § 302.7 [amended 04-17-01]

**3.J.3.b.** Exceeding any of the limiting condition is prohibited without prior application for, and the subsequent granting of a permit modification pursuant to District Rule 501, General Permit Requirements, Section 400.

Origin: AC-03-30 Condition 78.

Authority: Rule 501, General Permit Requirements § 300 [amended 11-03-94]

**3.J.4.** Any equipment, including portable equipment, shall comply with all applicable requirements while operating at the facility, including District Permit and Prohibitory Regulations, or be State-registered portable equipment. State-registered portable equipment shall comply with State registration requirements. A copy of the State registration shall be readily available whenever the State-registered portable equipment is at the facility.

Origin: Rule 501, General Permit Requirements and Health and Safety Code Section 41753

Authority: Rule 501, General Permit Requirements and Health and Safety Code Section 41753

### **3.J.5. Maintain Equipment in Good Working Condition Rule 501**

**3.J.5.a.** All equipment, facilities and systems installed or used to achieve compliance with the terms and conditions of this Title V Permit to Operate shall be maintained in good working order and be operated as efficiently as possible so as to minimize air pollutant emissions.

Origin: PSD-7-8-93 Condition IX.B

Authority: 40 CFR § 52.21 PSD

**3.J.5.b.** Operation and maintenance plans shall be submitted to the District for all add-on capture and control equipment for review and approval by the Air Pollution Control Officer. Such plans shall demonstrate, though the use of specific record keeping requirements, continuous operation of the add-on control equipment when emission producing operations are occurring. The plan shall also specify records to be kept to document the performance of required periodic maintenance. Records shall be consistent with compliance time frames and employ the most recent US Environmental Protection Agency record keeping guidance.

Origin: Rule 501, General Permit Requirements § 503.c [amended 11-03-94]

Authority: Rule 501, General Permit Requirements § 503.c [amended 11-03-94]

**3.J.5.c.** All equipment, facilities and systems installed or used to achieve compliance

with the terms and conditions of this Title V Operating Permit shall be maintained in good working order and be operated as efficiently as possible so as to minimize air pollutant emissions.

Origin: AC-03-20 Condition 22

Authority: Rule 501, General Permit Requirements § 300 [amended 11-03-94]

### **3.J.6. Toxics Hot Spots Compliance Rule 501**

Compliance of the permitted facility is required with the provisions of the "Air Toxics 'Hot Spots' Information and Assessment Act" of 1987 (Health and Safety Code Sections 44300 et seq.).

Origin: PTO-6-1-97 Condition 11.

Authority: California Health and Safety Code Sections 44300 et seq. and Rule 501, General Permit Requirements § 303.1 [amended 11-03-94]

District Only

### **3.J.7. Change of Ownership Rule 501**

**3.J.7.a.** In the event of a change of ownership, an application must be submitted to the District.

Origin: Rule 501, General Permit Requirements § 303 [amended 11-03-94]

Authority: Rule 501, General Permit Requirements § 303 [amended 11-03-94]

**3.J.7.b.** Upon any change in control or ownership of facilities constructed, operate, or modified under authority of this Title V Permit to Operate, the requirements contained in this Title V Permit to Operate shall be binding on all subsequent owners and operators.

Origin: PTO-6-1-97 Condition 6.

Authority: Rule 501, General Permit Requirements § 303.1 [amended 11-03-94]

**3.J.7.c.** In the event of a change of ownership, an application must be submitted to the District. Upon any change in control or ownership of facilities constructed, operated, or modified under authority of this permit, the requirements contained in this Authority to Construct shall be binding on all subsequent owners and operators.

Origin: AC-03-20 Condition 79.

Authority: Rule 501, General Permit Requirements § 303.1 [amended 11-03-94]

### **3.J.8. Permit Posting Rule 501**

This permit shall be maintained on the premises of the subject equipment.

Origin: AC-03-20 Condition 73

Authority: Rule 501 General Permit Requirements § 303.1 [amended 11-03-94]

### **3.J.9. Permit Not Permission to Violate Laws Rule 501**

This Title V Permit to Operate does not authorize the emission of air contaminants in excess of those allowed by Division 26, Part 4, of the Health and Safety Code of the State of California or the Rules and Regulations of the Air Pollution Control District. The permit(s) cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other governmental agencies.

Origin: Rule 501, General Permit Requirements § 303.6 [amended 11-03-94]

Authority: Rule 501, General Permit Requirements § 303.6 [amended 11-03-94]

### **3.J.10. Equipment Must Operate as Specified Rule 501**

Operation of equipment must be conducted in compliance with all data and specifications submitted with the application under which it was originally issued an Authority to Construct or Permit to Operate.

Origin: PTO-6-1-97 Condition 1.

Authority: Rule 501, General Permit Requirements § 303.3 [amended 11-03-94]

### **3.K. NSR requirements Rule 502**

#### **3.K.1. Violations**

In the event of any violation of the District Rules and Regulations, Sierra Pacific Industries shall take action to end such violation.

Origin: AC-03-20 Condition 75

Authority: Rule 502, Rule 502, New Source Review [amended 08-09-01]

#### **3.K.2. Notify District of Facility Modifications**

Prior to modification as defined in District Rule 502 Section 227, the plant manager, or designee, shall report to the District immediately any changes in production rates or operation schedules, changes in operation methods or fuel characteristics, the addition to or removal of permitted equipment, and changes of any facilities or systems installed or used to achieve compliance with the District Rules and Regulations in addition to the terms and conditions of this Title V Permit to Operate.

Origin: ATC-92-18 Condition 3.

Authority: Rule 502, New Source Review [amended 08-09-01] and Rule 507, Federal Operating Permit Program § 222 and 302.6 Permit Modification [amended 04-17-01]

#### **3.K.3. General Operating Condition**

Operation of permitted equipment shall be limited to the maximum rates and schedules of operation, and the specified process materials of approved plans and specifications submitted to the District in application submittals unless otherwise prescribed in these conditions

Origin: PTO-6-1-97 Condition 10.

Authority: Rule 502, New Source Review § 303 [amended 11-03-94]

### **3.L. Emission Statement Rule 503**

Sierra Pacific Industries shall provide the District with a written emission statement showing actual emissions of volatile organic compounds and oxides of nitrogen. Pursuant to District Rule 503 Sierra Pacific Industries shall submit this emission statement on a form or in a format specified by the Air Pollution Control Officer. The statement shall contain the following information:

1. Information contained in the California Air Resources Board's Emission Inventory Turn Around Document as described in Instructions for the Emission Data System Review and Update Report; and
2. Actual emissions of volatile organic compounds and oxides of nitrogen, in tons per year, for the calendar year prior to the preparation of the emission statement; and

3. Information regarding seasonal or diurnal peaks in the emission of affected pollutants; and
4. Certification by a responsible official of Sierra Pacific Industries that the information contained in the emission statement is accurate to the best knowledge of the individual certifying the emission statement.

Origin: Rule 503, Emission Statement [amended 9-21-93]

Authority: Rule 503, Emission Statement [amended 9-21-93]

District Only

### **3.M. Federal Operating Permit Program Rule 507**

**3.M.1.** Prior to the transfers of ownership or operational control of a stationary source, the Air Pollution Control Officer must receive a written agreement which specifies a date for the transfer of permit responsibility, coverage, and liability from the current to the prospective owner.

Origin: Rule 507, Federal Operating Permit Program § 202.4 Transfer [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 202.4 Transfer [amended 04-17-01]

### **3.M.2. Permit Compliance Rule 507**

Sierra Pacific Industries shall comply with all permit conditions.

Origin: Rule 507, Federal Operating Permit Program § 402.2k (amended 04-17-01)

Authority: Rule 507, Federal Operating Permit Program § 402.2k (amended 04-17-01)

### **3.N. New Source Review (Old) Rule 508**

Any source permitted after June 19, 1979, and prior to September 21, 1993, (i.e., was subject to Rule 508, New Source Review, adopted June 19, 1979) is limited to a net increase in emissions, after June 19, 1979, of 250 pounds during any day of any pollutant for which there is a national ambient air quality standard, or any precursor of such pollutant, unless BACT and Offsets have been applied and the permit contains enforceable emission limitations.

Origin: ATC-89-01 Condition 10

Authority: Rule 508, New Source Review [adopted 06-19-79]

### **3.O. Hexavalent Chromium Rule 904**

Any use of Hexavalent Chromium in the cooling towers is prohibited per District Rule 904, Airborne Toxic Control Measure, Hexavalent Chromium Emissions from Cooling Towers.

Origin: AC-03-20 Condition 62

Authority: Rule 904, Airborne Toxic Control Measure, Hexavalent Chromium Emissions from Cooling Towers

### **3.P. Miscellaneous Federal Requirements**

#### **3.P.1. Protection of Stratospheric Ozone**

Maintenance, service, repair or disposal of appliances containing ozone depleting compounds as defined in Appendix A and Appendix B to Subpart A of 40 CFR Part 82

shall be performed by persons certified by a technician certification program approved pursuant to 40 CFR Part 82.161.

Origin: 40 CFR Part 82, Protection of Stratospheric Ozone

Authority: 40 CFR Part 82, Protection of Stratospheric Ozone

### **3.P.2. Chemical Accident Prevention Provisions**

If, as defined in 40 CFR Part 68.3, Sierra Pacific Industries becomes subject to 40 CFR Part 68, then Sierra Pacific Industries shall submit a risk management plan (RMP) by the date specified in 40 CFR Part 68.10. A certification of compliance with this condition shall be included as part of the annual certification required by this Title V permit to operate.

Origin: 40 CFR Part 68, Chemical Accident Prevention Provisions

Authority: 40 CFR Part 68, Chemical Accident Prevention Provisions

### **3.P.3. National Emission Standards for Hazardous Air Pollutants, Asbestos**

For demolition and renovation projects involving material containing Asbestos, Sierra Pacific Industries shall comply with the requirements of 40 CFR 61, National Emission Standards for Hazardous Pollutants, Sections 60.145 through 61.147.

Origin: 40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants, Subpart M

Authority: 40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants, Subpart M

### **3.P.4. General Federal Requirement**

The owner and operator of this facility shall operate the stationary source in compliance with all other applicable provisions of 40 CFR Parts 52, 60 and 61 and all other applicable federal, state and local air quality regulations.

Origin: PSD-8-8-93 Condition VIII

Authority: 40 CFR 52.21 Prevention of Significant Deterioration of Air Quality

## **4. STANDARD TERMS AND CONDITIONS**

### **4.A. Permit Life/Term and Posting**

This Title V Permit to Operate shall expire five years from the time of issuance. Permit expiration terminates Sierra Pacific Industries' right to operate unless a timely renewal application is submitted.

Origin: Rule 507, Federal Operating Permit Program § 402.2.p [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.p [amended 04-17-01]

### **4.B. Payment of Fees**

Sierra Pacific Industries shall pay all District fees including any supplemental annual fee, as calculated the procedures specified in Section 403 of District Rule 507, on a timely basis. Failure to remit fees on a timely basis shall result in the forfeiture of this Title V Permit to Operate. Operation without a permit subjects the source to potential enforcement action by the District and the U.S. EPA pursuant to § 502(a) of the Clean Air Act.

Origin: Rule 507, Federal Operating Permit Program § 402.2.o [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.o [amended 04-17-01]

#### **4.C. Right of Entry**

**4.C.1.** The Regional Administrator, the Executive Officer of the California Air Resources Board, the APCO, or their authorized representatives, upon the presentation of credentials, shall be permitted:

- a. To enter upon the premises where the source is located or in which any records are required to be kept under the terms and conditions of this Title V Permit to Operate; and
- b. At reasonable times to have access to, inspect and copy any records required to be kept under the terms and conditions of this Title V Permit to Operate; and
- c. To inspect any equipment at the stationary source, operation, work practices, emission-related activities or method required in this Title V Permit to Operate; and
- d. To sample emissions from the source or other monitoring activities.

Origin: PSD-7-8-93 Condition V

Authority: Rule 507, Federal Operating Permit Program § 402.2.j [amended 04-17-01]

#### **4.D. Severability**

The provisions of this Title V Permit to Operate are severable, and, if any provision of this Title V Permit to Operate is held invalid, the remainder of this Title V Permit to Operate shall not be affected thereby.

Origin: Rule 507, Federal Operating Permit Program § 402.2.m [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.m [amended 04-17-01]

#### **4.E. Need to Halt or Reduce Activity Not a Defense**

Sierra Pacific Industries shall not use the "need to halt or reduce a permitted activity in order to maintain compliance" as a defense for non-compliance with any permit condition.

Origin: Rule 507, Federal Operating Permit Program § 402.2.k.4 [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.k.4 [amended 04-17-01]

#### **4.F. Modification, Revocation, Reopening for Cause**

This Title V Permit to Operate may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by Sierra Pacific Industries for a permit modification, revocation and re-issuance, or termination, or of a notification of planned changes or anticipated non-compliance does not stay any permit condition.

Origin: Rule 507, Federal Operating Permit Program § 402.2 k.5 [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2 k.5 [amended 04-17-01]

#### **4.G. Submit Information and Records**

Within a reasonable time period, Sierra Pacific Industries shall furnish any information requested by the Air Pollution Control Officer (APCO) of Placer County Air Pollution Control District, in writing, for the purpose of determining:

1. Compliance with the permit, or
2. Whether or not cause exists for a permit or enforcement action.

For information claimed to be confidential, Sierra Pacific Industries may furnish such information directly to the APCO along with a claim of confidentiality.

Origin: Rule 507, Federal Operating Permit Program § 402.2.k.6 [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.k.6 [amended 04-17-01]

#### **4.H. Duty to Comply**

Sierra Pacific Industries shall comply with provisions of this Title V Permit to Operate. Any permit noncompliance constitutes grounds for enforcement action; for permit termination, revocation and re-issuance, or modification; or for denial for a permit renewal application.

Origin: Rule 507, Federal Operating Permit Program § 402.2 k.1 and 402.2.k.3 [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2 k.1 and 402.2.k.3 [amended 04-17-01]

#### **4.I. Property Rights**

This Title V Permit to Operate does not convey property rights or exclusive privilege of any sort.

Origin: Rule 507, Federal Operating Permit Program § 402.2.k.2 [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.k.2 [amended 04-17-01]

#### **4.J. Duty to Apply for Renewal**

Sierra Pacific Industries shall apply for renewal of this Title V Permit to Operate no earlier than 18 months before the date of expiration nor later than 6 months before the date of expiration.

Origin: Rule 507, Federal Operating Permit Program § 302.4 [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 302.4 [amended 04-17-01]

#### **4.K. Emergency Provisions**

##### **4.K.1. Emergency Definition**

An "emergency" is any situation arising from a sudden and reasonably unforeseeable event beyond the control of Sierra Pacific Industries (e.g., an act of God) which causes the exceedance of a technology-based emission limitation under a permit and requires immediate corrective action to restore compliance. An "emergency" shall not include noncompliance as a result of improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.

Origin: Rule 507, Federal Operating Permit Program § 212 [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 212 [amended 04-17-01]

##### **4.K.2. Effect of an Emergency**

An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the reporting requirements have been met.

Origin: 40 CFR § 70.6(g)(2)

Authority: 40 CFR § 70.6(g)(2)

##### **4.K.3. Affirmative Defense**

The affirmative defense of an emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

a. Sierra Pacific Industries complied with the requirements of Rule 404, Upset

conditions, Breakdown and Scheduled Maintenance, and the emergency provisions contained in all applicable federal requirements; and

b. That within two weeks of an emergency event, the responsible official submitted to the District a properly signed, contemporaneous log or other relevant evidence which demonstrates that:

- i. An emergency occurred;
- ii. Sierra Pacific Industries can identify the cause(s) of the emergency;
- iii. The facility was being properly operated at the time of the emergency;
- iv. All steps were taken to minimize the emissions resulting from the emergency; and
- v. Within two working days of the emergency event, Sierra Pacific Industries provided the District with a description of the emergency and any mitigating or corrective actions taken.

Origin: District Rule 507, Federal Operating Permit Program §402.2.I [amended 04-17-01]

Authority: District Rule 507, Federal Operating Permit Program §402.2.I [amended 04-17-01]

#### **4.K.4. Burdens of Proof**

In any enforcement proceeding, Sierra Pacific Industries has the burden of proof for establishing that an emergency occurred.

Origin: Rule 507, Federal Operating Permit Program § 402.2.I.3 [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.I.3 [amended 04-17-01]

#### **4.L. Voluntary Emissions Caps**

To the extent applicable federal requirements provide for averaging emissions increases and decreases within a stationary source without case-by-case approval, a responsible official may request, subject to approval by the Air Pollution Control Officer, to permit one or more emissions unit(s) under a voluntary emissions cap. The permit for each emissions unit shall include federally-enforceable conditions requiring that:

1. All applicable federal requirements, including those authorizing emissions averaging, are complied with;
2. No individual emissions unit shall exceed any emissions limitation, standard, or other requirement;
3. Any emissions limitation, standard, or other requirement shall be enforced through continuous emission monitoring, where applicable; and
4. All affected emissions units under a voluntary emissions cap shall be considered to be operating in violation of the permit, if the voluntary emissions cap is exceeded.

Origin: Rule 507, Federal Operating Permit Program § 402.2.r [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.r [amended 04-17-01]

#### **4.M. Agency Addresses**

Notifications or correspondence as required by this Title V Permit to Operate shall be forwarded to the following addresses:

1. Director, Air Division (Attn.: AIR-3)  
U.S. Environmental Protection Agency  
75 Hawthorne Street  
San Francisco, CA 94105

2. Air Pollution Control Officer  
Placer County Air Pollution Control District  
3091 County Center Drive, Suite 240  
Auburn, CA 95603

Facsimile: 530-745-2373  
E-Mail: pcapcd@placer.ca.gov

Origin: PSD-7-8-93 Condition X  
Authority: General Information

#### **4.N. Reopening Permit for Cause**

This Title V Permit to Operate shall be reopened and revised under any of the following circumstances including, but are not limited to, the following:

1. The need to correct a material mistake or inaccurate statement;
2. The need to revise or revoke a permit to operate to assure compliance with applicable federal requirements;
3. The need to incorporate any new, revised, or additional applicable federal requirements, if the remaining authorized life of the permit is 3 years or greater, no later than 18 months after the promulgation of such requirement (where less than 3 years remain in the authorized life of the permit, the Air Pollution Control Officer shall incorporate these requirements into the permit to operate upon renewal).

Origin: Rule 507, Federal Operating Permit Program § 401.8 [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.1.8 [amended 04-17-01]

#### **4.O. Permit Revision Exemption**

No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this Title V Permit to Operate.

Origin: Rule 507, Federal Operating Permit Program § 402.2.u [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.u [amended 04-17-01]

#### **4.P. Permit Shield**

##### **4.P.1. Shield**

Compliance with the conditions of this Title V Permit to Operate shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that:

- a. Such applicable requirements are included and are specifically identified in this Title V Permit to Operate; or
- b. In acting on this Title V Permit to Operate application or revision, the District determines in writing that other requirements specifically identified are not applicable to the source, and the permit includes the determination or a concise summary thereof.

Origin: 40 CFR Part 70.6(f)

Authority: 40 CFR Part 70.6(f)

##### **4.P.2. Shield Exceptions**

Nothing in this section or in any part of this permit shall alter or affect the following:

- a. The provisions of section 303 of the Clean Air Act (emergency orders), including the authority of the Administrator under that section;

- b. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
- c. The applicable requirements of the acid rain program, consistent with section 408(a) of the Clean Air Act; or
- d. The ability of EPA to obtain information from a source pursuant to section 114 of the Clean Air Act.

Origin: 40 CFR Part 70.6(f)

Authority: 40 CFR Part 70.6(f)

## **5. ALTERNATIVE OPERATING SCENARIOS**

### **5.A. Upset Conditions**

There may be periods when the Sierra Pacific Industries facility will be operated pursuant to the requirements of the Rule 404 (Upset Conditions, Breakdown or Scheduled Maintenance) and/or the Emergency Provisions under 40 CFR 70.6(g). During these times, Sierra Pacific Industries will comply with all the relevant notification, monitoring, reporting and record keeping requirements contained in Rule 404 and 40 CFR 70.6(g).

Origin: Rule 507, Federal Operating Permit Program § 402.2.q [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.q [amended 04-17-01]

### **5.B. Alternative Boiler Fuels**

Sierra Pacific Industries may request to operate the boiler firing on alternative fuels. Before using alternative fuels, Sierra Pacific Industries will seek and receive a revised authorization from the District to use these fuels. Sierra Pacific Industries will maintain a contemporaneous log to record each change of fuels being fired. Sierra Pacific Industries will comply with all applicable requirements at all times with the boiler operating on all approved fuels.

Origin: Rule 507, Federal Operating Permit Program § 402.2.q [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.q [amended 04-17-01]

## **6. MONITORING, TESTING, AND RECORD KEEPING**

### **6.A. General Monitoring, Record Keeping and Reporting and Testing Requirements**

The Air Pollution Control Officer, at any time, may require such information, analyses, plans, or specifications which will disclose the nature, extent, quality, or degree of air contaminants which are, or may be, discharged by the source for which the permit was issued or applied. The Air Pollution Control Officer may require that such disclosures be certified by a professional engineer registered in the State of California. A responsible official representing the owner or operator shall certify the truth, accuracy and completeness of disclosures. Studies necessary to provide such information, shall be at the expense of the owner or operator of the source for which a permit was issued or applied.

Origin: AC-03-20 Condition 39

Authority: Rule 501 § 407; HSC 42303

#### **6.A.1. Monitoring Frequency**

Monitoring (sampling, testing, recording) shall be performed at a frequency sufficient to yield accurate, reliable and representative data with which the source's compliance with applicable limits or conditions can be demonstrated.

#### **6.A.2. Record Keeping**

**6.A.2.a.** The Air Pollution Control Officer may require record keeping to verify or maintain compliance.

Origin: AC-03-20 Condition 37

Authority: Rule 501 § 503.1

**6.A.2.b.** The Air Pollution Control Officer may require record keeping to verify or maintain any exemption.

Origin: AC-03-20 Condition 38

Authority: Rule 501 § 503.2

#### **6.A.2.c. Sierra Pacific Industries shall:**

**6.A.2.c.1.** Maintain records of all required monitoring data and support information associated with any applicable federal requirement in a permanent form suitable for inspection including:

- a. Date, place, and time of sampling;
- b. Operating conditions at the time of sampling;
- c. Date, place, and method of analysis; and
- d. The company or entity that performed the analyses;
- e. Results of the analysis;
- f. Copies of all reports as required by applicable federal requirements; and

**6.A.2.c.2.** Comply with all record keeping requirements deemed necessary by the Air Pollution Control Officer to ensure compliance with all applicable federal requirements;

and

**6.A.2.c.3.** Support information includes information on Continuous Monitoring Equipment operations including:

- a. All calibration and maintenance records,
- b. All original recordings for continuous monitoring instrumentation, and
- c. Performance and all other information required by 40 CFR 60.

Origin: Rule 507, Federal Operating Permit Program § 402.2.g [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.g [amended 04-17-01]

**6.A.2.d.** All required monitoring data and support information shall be retained for a period of at least 5 years.

Origin: Rule 507, Federal Operating Permit Program § 402.2.f.3 [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.f.3 [amended 04-17-01]

**6.A.2.e.** All records shall be made available to District inspectors upon request.

Origin: Rule 503, General Permit Requirements § 503.1 [amended 11/03/94]

Authority: Rule 503, General Permit Requirements § 503.1 [amended 11/03/94]

**6.A.2.f.** Maintain at the facility, records for each coating product and cleanup solvent used for the anti-sapstain spray system. These records shall contain: Product data sheet and material list giving material name, manufacturer identification, VOC content and quantity used per quarter.

Origin: AC-04-70 Condition 4.

Authority: Rule 502, New Source Review § 303 [amended 12-9-04]

District Only

### **6.A.3. Reporting**

Sierra Pacific Industries shall:

**6.A.3.a.** Promptly report to the Air Pollution Control Officer any deviation from permit requirements, including that attributable to upset conditions (as defined in District Rule 404). All reports of a deviation from permit requirements shall include the probable cause of the deviation and any preventive or corrective action taken. Prompt reporting is as soon as reasonably possible, but no later than two (2) hours after the deviation is detected during normal APCD business hour

**6.A.3.b.** Submit monitoring reports at least every six months. Monitoring reports shall identify any deviation from permit requirements, including those previously reported to the Air Pollution Control Officer in accordance with Subsection 6.A.3.a. Monitoring reports shall be submitted within 45 days of the end of the reporting period (Reporting periods are January 1 - June 30 and July 1 - December 31) and each monitoring report shall be accompanied by a written statement from the responsible official which certifies the truth, accuracy, and completeness of the report.

**6.A.3.c.** Submit compliance schedule progress reports on any compliance schedule at least semi-annually. Progress reports shall contain:

1. The date when compliance will be achieved;
2. An explanation of why compliance was not, or will not be, achieved by the scheduled

date; and

3. A log of any preventive or corrective actions taken.

Origin: Rule 507, Federal Operating Permit Program § 402.2.g [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.g [amended 04-17-01]

#### **6.A.4. Testing**

**6.A.4.a.** The District may require the conduct of emissions testing or analysis deemed necessary to demonstrate compliance with applicable requirements. If the District determines that tests are required, a written notice will be provided to Sierra Pacific Industries.

Origin: Rule 501, General Permit Requirements § 303, § 304, and § 507 [amended 11-03-94]

Authority: Rule 501, General Permit Requirements § 303, § 304, and § 507 [amended 11-03-94]

**6.A.4.b.** Except as otherwise specified in District rules, regulations, or permit conditions the test methods used for determining compliance with emission limits shall be the appropriate method:

1. Adopted by the California Air Resources Board and cited in Title 17, California Code of Regulations, Division 3, Subchapter 8, Compliance with Non-vehicular Emission Standards; or

2. Identified in 40 CFR part 50, Appendix M, Recommended Test Methods for State Implementation Plans; or

3. Identified in 40 CFR part 60, Appendix A, Test Methods; or

4. Any alternative method approved by the Air Pollution Control Officer.

Note: The Air Pollution Control Officer shall request the review of the alternate test methods by the U.S. Environmental Protection Agency and the California Air Resources Board.

Origin: ATC-95-27, Condition 3, and Rule 501, General Permit Requirements § 501.1 [amended 11-03-94]

Authority: Rule 501, General Permit Requirements § 501.1 [amended 11-03-94]

**6.A.4.c.** All required testing shall be subject to the following:

1. A written test plan shall be submitted to the Air Pollution Control Officer detailing the sampling methods, analytical methods or detection principles to be used, at least sixty (60) days prior to the actual testing.

2. Independent testing contractors and analytical laboratories shall be Air Resources Board certified to perform the test or analysis conducted.

3. Testing shall be conducted as close as achievable to the maximum process rates or the permitted rates resulting in maximized air pollutant emission rates.

4. The conditions and equipment in operation during testing shall be recorded.

5. Installed instrumentation readings for parameters affecting emission character or extent shall be recorded.

6. The test evaluation results shall be reported to the District within sixty (60) days of testing.

Origin: Rule 501, General Permit Requirements § 307, § 407, and § 501.1 [amended 11-03-94]

Authority: Rule 501, General Permit Requirements § 307, § 407, and § 501.1 [amended 11-03-94]

#### **6.A.5. Monitoring Methods**

All monitoring, analytical methods, compliance certification, test methods, equipment management, and statistical procedures shall be consistent with any applicable federal requirement, including those pursuant to Sections 114(a)(3) and 504(b) of the Federal Clean Air Act, and 40 CFR Part 64.

#### **6.B. Specific Unit Monitoring**

##### **6.B.1. All Boilers**

The Sierra Pacific Industries shall record the steam output of each boiler individually. This data shall be recorded electronically at any time either boiler is not shutdown. Data shall at least include one hour averages.

Origin: AC-03-20 Condition 18

Authority: Rule 501 § 405; 501 § 303; HSC 42301

##### **6.B.2. Primary Boiler**

The differential pressure between the inlet of the primary boiler multicone collector and the outlet of the multicone will be monitored in the control room and recorded at least hourly in a manual or electronic log.

Origin: AC-03-20 Condition 4

Authority: Rule 501 § 405; 501 § 303; HSC 42301

##### **6.B.3. Standby (Wellons) Boiler**

The differential pressure between the inlet and outlet of the standby boiler multicone collectors will be monitored and recorded at least once per shift during emission producing operations.

Origin: AC-03-20 Condition 5

Authority: Rule 501 § 405; 501 § 303; HSC 42301

#### **6.C. Continuous Emissions Monitoring Systems (CEMS)**

**6.C.1.** Excess emissions indicated by the CEM system shall be considered violations of the applicable emission limit for the purposes of this Title V Permit to Operate.

Origin: PSD-7-8-93 Condition IX.I.7

Authority: 40 CFR § 52.21 PSD

**6.C.2.** Sierra Pacific Industries shall maintain and operate the following monitoring systems in the ESP exhaust stack:

a. A continuous monitoring system to measure stack gas NO<sub>x</sub> and CO concentrations. The system shall meet EPA monitoring performance specifications (40 CFR § 60.13 and 40 CFR § 60, Appendix B, Performance Specifications 2, 3, and 4).

b. A continuous monitoring system to measure stack gas volumetric flow rates. The system shall meet EPA performance specifications (40 CFR § 52, Appendix E).

c. A transmissometer system for continuous measurement of the opacity of stack emissions. The system shall meet EPA monitoring performance specifications (40 CFR

§ 60.13 and 40 CFR § 60, Appendix B, Performance Specification 1).  
Origin: PSD-7-8-93 Condition IX.I.2  
Authority: 40 CFR § 52.21 PSD

**6.C.3.** The following emissions monitoring instruments shall be installed, calibrated, maintained and operated in accordance with the manufacturer's recommendations and District Rules :

An oxygen monitor in the boiler stack discharge with data recorder.

Origin: PTO-6-1-97 Condition 22.C.

Authority: Rule 502, New Source Review § 303 [amended 11-03-94]

**6.C.4.** A Continuous Emissions Monitoring System (CEMS) shall be installed, calibrated, operated and maintained in accordance with the applicable requirements of Appendices B and F of Title 40 Code of Federal Regulations Part 60 (40 CFR 60) to monitor oxygen, opacity, flow, carbon monoxide, carbon dioxide and nitrogen oxides in the boiler stack exhaust.

Origin: AC-03-20 Condition 6

Authority: Rule 501 § 304; 233 § 502; HSC 42700 et seq.

**6.C.5.** A transmissometer shall be operated and maintained on the ESP exhaust stack in accordance with Performance Specification 1, Appendix B, 40 CFR 60, and tested and/or certified to the design and performance specifications of Performance Specification 1.

The transmissometer CEMS installation shall include a recording device(s) producing a permanent record of the monitor output. In the event the existing transmissometer is replaced, conformance test results and/or the Manufacturer's Certificate(s) of Conformance, and confirmation of the installed instrument calibration shall be submitted to the District.

Origin: AC-03-20 Condition 29

Authority: Rule 404 § C; Rule 501 § 303, 304.2.c; HSC 42706, 42301

#### **6.C.6. CEMS Calibration**

**6.C.6.a.** Calibration of continuous emission monitoring systems shall be performed at least once per calendar quarter and following any maintenance or repairs affecting monitor operability.

Origin: PSD-7-8-93 Condition IX.I and PTO-6-1-97 Condition 21.D.

Authority: 40 CFR 52.21 PSD

**6.C.6.b.** The CEMS monitors shall be tested annually by means of the Relative Accuracy Test Audit (RATA).

Origin: AC-03-20 Condition 29 F.

Authority: Rule 404 § C; Rule 501 § 303, 304.2.c; HSC 42706, 42301

**6.C.6.c.** The continuous emission monitoring systems shall be audited at least once each calendar quarter in accordance with the procedures contained in 40 CFR 60, Appendix F, and following any maintenance or repairs affecting monitor operability.

Certification will be required following any replacement or repair affecting monitor operability.

Origin: AC-03-20 Condition 29

Authority: Rule 404 § C; Rule 501 § 303, 304.2.c; HSC 42706, 42301

**6.C.7.** Sierra Pacific Industries shall maintain a file of all measurements, including continuous monitoring systems evaluations; all continuous monitoring systems or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; performance and all other information required by 40 CFR § 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least five years following the date of such measurement, maintenance, reports and records.

Origin: PSD-7-8-93 Condition IX.I.3

Authority: 40 CFR § 52.21 PSD

#### 6.C.8. CEM Breakdown Procedures

In the event of a breakdown of monitoring equipment, Sierra Pacific Inc. shall notify the Air Pollution Control Officer and initiate repairs. Sierra Pacific Inc. shall notify the Air Pollution Control Officer of the intent to shut down any monitoring equipment at least 24 hours prior to the event. A breakdown of monitoring equipment or shutdown for scheduled maintenance which persists longer than ninety-six (96) hours shall constitute a violation of any applicable emission limitation or restriction prescribed by District Rules and Regulations, unless Sierra Pacific Inc. has obtained an Emergency Variance pursuant to Rule 404.

Origin: PTO-6-1-97 Condition 22.E.

Authority: Rule 233, Biomass Boilers § 502 [amended 10-6-94]; Rule 507, Federal Operating Permit Program § 402.2.I [amended 04-17-01] ; Rule 404, Upset Conditions, Breakdown or Scheduled Maintenance [amended 06-19-79]; Rule 501 General Permit Requirements § 304.2 [amended 11-03-94]

District Only

#### 6.D. CEM Alarms

**6.D.1.** Alarms shall be programmed into the boiler control room to alert the boiler operator when NO<sub>x</sub>, CO or Opacity emissions are within 10% of their permit limits.

Origin: AC-03-20 Condition 13

Authority: Rule 501 § 405; 501 § 303; HSC 42301

**6.D.2.** Alarms shall be programmed into the boiler control system to alert the boiler operator when NO<sub>x</sub>, CO or Opacity permit limits have been exceeded.

Origin: AC-03-20 Condition 14

Authority: Rule 501 § 405; 501 § 303; HSC 42301

**6.D.3.** Alarms shall be provided in the control room for all process monitoring devices that are used to comply with emission limits at monitor values corresponding to the emission limit.

Origin: AC-03-20 Condition 15

Authority: Rule 501 § 405; 501 § 303; HSC 42301

## **6.E. CEM Remote Polling**

**6.E.1.** The Sierra Pacific Industries shall install and maintain equipment, facilities, software and systems at the facility and at the District office that will allow the District to poll or receive electronic data from the CEMS. Sierra Pacific Industries shall make CEMS data available for automatic polling of the daily records. Sierra Pacific Industries shall make hourly records available for manual polling within no more than a one hour delay. The basic elements of this equipment include a telephone line, modem and data logger. Alternatively, an internet based system may be used. The costs of installing and operating this equipment, excluding District costs, shall be borne by Sierra Pacific Industries.

**6.E.2.** Upon notice by the District that the facility's polling system is not operating, Sierra Pacific Industries shall provide the data by a District-approved alternative format and method for up to a maximum of 30 days.

The polling data is not a substitute for other required record keeping or reporting.

Origin: AC-03-20 Condition 30

Authority: Rule 404 § C; Rule 501 § 304.2.c; HSC 42706

## **6.F. Record Keeping**

### **6.F.1. Maintenance Logs**

**6.F.1.a.** A log book or other record detailing the performance and date of preventive maintenance, as well as reporting breakdowns (per District Rule 404), shall be established and maintained. This log or record shall be made available to the District's inspector upon request. The occurrence and duration of any startups, shutdowns or malfunctions of the boiler; shutdowns or malfunctions of any air pollution control equipment; any periods during which a continuous monitoring system is inoperative; continuous monitor calibration checks, adjustments, and maintenance, shall be recorded.

Origin: AC-03-20 Condition 33

Authority: Rule 501 § 405, 503; Rule 233 § 402

**6.F.1.b.** Maintenance and breakdown records, steam production records, and production data shall be maintained and summary reports submitted to the District on forms or formats approved by the District. Records shall be kept by the Owner for a period of five (5) years, and shall be made available to the District's inspector upon request. For the purposes of this condition, production and other data shall include the following items:

1. Total woodwaste boiler fuel, in tons, for each boiler. If the estimate includes moisture, estimate the moisture content in percent by weight.
2. The total annual hours of operation of the primary boiler.
3. The date(s) and hours of operation of the standby boiler.
4. Typical operating schedule for each boiler (i.e. hours/day, days/week, weeks/year).
5. Average steam production rate, in pounds per hour, for each boiler. In addition, the number, duration, and extent of exceedances of the daily average steam production rate limit shall be reported to the District no less frequently than once every six (6)

months.

6. Calendar date of record.

7. Number of hours the unit is operated during each day.

8. Fuel types, including supplementary gaseous or liquid fuels.

9. Duration of startups and shutdowns.

10. Type and duration of maintenance and repairs.

11. Results of compliance tests.

12. Three-hour rolling average NO<sub>x</sub> emission concentration (expressed as NO<sub>2</sub> and corrected to 12 percent by volume stack gas CO<sub>2</sub>).

13. Three-hour rolling average CO emission concentration (corrected to 12 percent by volume stack gas CO<sub>2</sub>).

14. Identification of time periods during which NO<sub>x</sub> and CO emission limitations are exceeded, the reason for the exceedance, and a description of corrective action taken.

15. Identification of time periods during which operating condition and pollutant emission data were not obtained, the reason for not obtaining this information, and a description of corrective action taken.

16. Quarterly bone dry tons of biomass fuel burned in each boiler.

17. Quarterly steam production in 1000 pounds of steam.

18. Quarterly NO<sub>x</sub> and CO emissions in pounds from the CEMS.

Origin: AC-03-20 Condition 34

Authority: Rule 501 § 503.1

#### **6.F.1.c. Inspection, Maintenance and Repair Logs**

1. Sierra Pacific Industries shall maintain logs for all sources, controls, and monitoring equipment recording the performance date/time and a description of all:

a. inspections;

b. preventive maintenance;

c. adjustments;

d. calibrations;

e. repairs.

2. Sierra Pacific Industries shall maintain logs to record a description, date/time and duration of malfunctions for all emission sources, emission controls and monitoring equipment.

3. Sierra Pacific Industries shall maintain logs to record the date/time and duration of all boiler startups and shutdowns.

Origin: PTO-6-1-97 Condition 18. and PSD-7-8-93 Condition III

Authority: Rule 501, General Permit Requirements § 303 [amended 11-03-94] and 40 CFR 52.21 PSD

#### **6.F.2. Production Logs**

**6.F.2.a.** Sierra Pacific Industries shall establish and maintain logs recording the following production data:

1. Total woodwaste, in tons, removed from the sawmill bins, and the amount of the total used for boiler fuel in Boilers #1 and #2.

2. The amount, in tons, of wood chips (versus sawdust) removed from sawmill bins.

3. Total amount of woodwaste, in tons, received at the truck dump from sources outside the Lincoln facility. If moisture is included, an estimate of typical moisture content in percent by weight.
4. Total production of raw lumber, in board feet measure.
5. Typical operation schedule for the sawmill in terms of hours per day, days per week, and weeks per year.
6. Total hog wood waste, in tons, removed from the planer hog wood bin.
7. Total shavings woodwaste, in tons, removed from the planer shavings bin.
8. Total production of finished lumber (i.e., total planed), in board feet.
9. Typical operation schedule for the planer mill in terms of hours per day, days per week, and weeks per year.
10. Total woodwaste boiler fuel, in tons, for each boiler. If the estimate includes moisture, estimate the moisture content in percent by weight. Separately specify the quantity of industrial and residential wood waste used as boiler fuel, in wet (green) tons, and the estimated moisture content.
11. The total hours of operation and the typical operating schedule for each boiler (i.e., hours/day, days/week, weeks/year).
12. Average steam production rate, in pounds per hour and pounds per day, for each boiler. In addition, the number, duration, and extent of exceedances of the hourly average steam production rate limit on an hourly average or daily hourly average shall be reported no less frequently than once every six (6) months.

Production charts and production data shall be maintained and summary reports submitted to the District on forms or formats furnished by the District.

Origin: PTO-6-1-97 Condition 19 and PSD-7-8-93 Condition IX.D.2

Authority: Rule 501, General Permit Requirements § 304.3 and §407 [amended 11-03-94]

## **6.G. Performance Testing and Analysis Procedures and Facilities**

### **6.G.1. Primary Boiler Compliance Test**

**6.G.1.a.** Ammonia discharges shall be limited to 20 ppm or less in the boiler stack exhaust. Compliance with this condition is to be determined by initial engineering tests and, subsequently, to include at least 3 one hour runs to verify compliance.

Origin: AC-03-20 Condition 11

Authority: Rule 501 § 405; 501 § 303; HSC 42301

**6.G.1.b.** Subsequently in years following the first two years of operation, an annual compliance test of the primary boiler shall be for NO<sub>x</sub>, CO, CO<sub>2</sub>, PM, PM<sub>10</sub>, and opacity. A RATA test shall also be conducted at that time.

Origin: AC-03-20 Condition 42

Authority: Rule 501 § 304, 307, 501

### **6.G.2. Standby (Wellons) Boiler Compliance Test**

**6.G.2.a.** A compliance test for PM and PM-10 test is required anytime the standby boiler is operated more than 168 hours since the last compliance test. This compliance test is to occur within 12 months of exceeding the 168 hours. No more than one compliance test of the standby boiler is required in any 12 month period, provided the test shows compliance with emission limits.

Origin: AC-03-20 Condition 43

Authority: Rule 501 § 304, 307, 501

### **6.G.2.b. Standby (Wellons) Boiler Annual Performance Test**

**6.G.2.b.1.** Sierra Pacific Industries shall conduct performance tests for NO<sub>x</sub>, CO, and particulate matter (PM-10) and furnish the Placer County APCD and the EPA a written report of the results of such tests. The performance tests shall determine compliance with District Rules and Regulations and permit limitations for NO<sub>x</sub>, CO, and PM-10.

The tests for NO<sub>x</sub>, CO, and PM-10 shall be conducted in accordance with the schedule of Section 6.G.2.a and at the maximum operating capacity of the facilities being tested.

Upon written request, EPA may approve the conducting of performance tests at a lower specified production rate.

Upon written request and adequate justification, EPA may waive a specified annual test for the Wellons boilers.

Origin: PSD-7-8-93 Condition IX.C

Authority: 40 CFR § 52.21 PSD; and Rule 501, General Permit Requirements § 307, and § 407 [amended 11-03-94]

**6.G.2.b.2.** Performance tests for NO<sub>x</sub>, CO, and PM-10 shall be conducted and the results reported in accordance with the test methods set forth in 40 CFR § 60, Part 60.8 and Appendix A and Part 51 Appendix M.

The following test methods shall be used:

a. Performance tests for emissions of NO<sub>x</sub> shall be conducted using EPA Methods 1-4 and 7.

b. Performance tests for emissions of CO shall be conducted using EPA Methods 1-4 and 10.

c. Performance tests for emissions of PM-10 shall be conducted using EPA Methods 1-4 from Appendix A and EPA Methods 201A and 202 from Appendix M.

The EPA shall be notified in writing at least 30 days prior to such tests to allow time for the development of an approvable performance test plan and to arrange for an observer to be present at the test. Such prior approval shall minimize the possibility of EPA rejection of test results for procedural deficiencies. In lieu of the above mentioned test methods, equivalent methods may be used with prior written approval from the EPA.

Origin: PSD-7-8-93 Condition IX.C.

Authority: 40 CFR § 52.21 PSD

### **6.G.3. All Boilers**

### **6.G.3.a. Boiler Sampling Port, Platforms, and Access**

**6.G.3.a.1.** For performance test purposes, sampling ports, platforms, and access shall be provided by Sierra Pacific Industries on the boiler exhaust system in accordance with 40 CFR § 60.8(e).

Origin: PSD-7-8-93 Condition IX.C.

Authority: 40 CFR § 52.21 PSD

**6.G.3.a.2.** Test and Sampling Platforms and Ports: Access to the exhaust stack(s) shall be provided by a test platform or other means, and sampling ports shall be installed in accordance with 40 CFR 60.8(e), and the Platform and Port Specification Sheet.

Origin: AC-03-20 Condition 53.

Authority: Rule 501 § 304, 405; HSC 42301

**6.G.3.b.** If the standby boiler is operated with soot blowing on a continuous or semi-continuous basis, all source testing for PM and PM-10 shall be conducted when soot blowing is occurring. If soot blowing occurs on a non-continuous basis, one source test sample run shall include soot blowing during each annual test.

Origin: AC-03-20 Condition 45

Authority Rule 501 § 304, 405; HSC 42301

**6.G.3.c.** At least thirty days prior to compliance testing, a written test plan shall be submitted for approval by the Air Pollution Control Officer detailing the sampling methods, analytical methods or detection principles to be used. The prior written approval of the Air Pollution Control Officer is required for the use of alternate test methods. The plan shall cite the test methods to be used for the determination of compliance with the emission limitations. The plan shall provide the proposed procedures for the characterization of the representative biomass materials to be burned during testing.

Origin: AC-03-20 Condition 50

Authority: Rule 501§ 501, 307; 233 § 503

**6.G.3.d.** It is an emissions violation to not conduct required testing or if test results show emissions exceeding limits. If required testing is not completed, or emission limits are exceeded, corrective action and testing is required. In the case of an emissions exceedence, Sierra Pacific Industries shall be considered to be in continuous violation of the emission limit until test data or CEMS data demonstrates compliance with the emission limit.

Origin: AC-03-20 Condition 56.

Authority: Rule 501§ 501, 307; 233 § 503

**6G.3.e.** Compliance testing shall be performed by an independent testing contractor and analytical laboratory. The independent contractor shall be Air Resources Board certified for the test or analysis conducted.

Origin: AC-03-20 Condition 52.

Authority: Rule 501 § 405; HSC 42301

**6.G.3.f.** The District may hire an independent contractor to conduct performance testing on an unannounced basis.

Origin: AC-03-20 Condition 54.

Authority: Rule 501 § 407; Rule 603; HSC 42303

**6.G.3.g.** The District may require an analysis of the moisture content of the fuel used during source testing. Origin: AC-03-20 Condition 55.

Authority: Rule 501 § 407; Rule 603; HSC 42303

## **6.H. Boiler Test Methods**

**6.H.1.** The performance tests shall be subject to the following requirements:

a. At least sixty (60) days prior to the actual testing, a written test plan shall be submitted to the Air Pollution Control Officer detailing the sampling methods, analytical methods or detection principles to be used. The prior written approval of the Air Pollution Control Officer is required for the use of alternate test methods.

b. Testing shall be conducted as close as achievable to the maximum process rates or the permitted rates resulting in maximized air pollutant emission rates.

c. The operating conditions and plant equipment in operation shall be recorded. Installed instrumentation readings for parameters affecting emission character or extent shall be recorded.

d. The performance test evaluation results shall be reported to the District within sixty (60) days of testing.

Origin: ATC-95-27 Condition 3.

Authority: Rule 501, General Permit Requirements § 307, § 407, and § 501 [amended 11-03-94]

**6.H.2.** Testing for nitrogen oxides (NOX) shall use ARB Test Method 100, Title 17, CCR, Section 94114, Procedures for Continuous Emission Stack Sampling, or EPA Test Method 7E, 40 CFR 60, Appendix A. A violation determined by any of these test methods shall constitute a violation of permit conditions

Origin: AC-03-20 Condition 46

Authority: Rule 501 § 501, 307; 233 § 504

**6.H.3.** Testing for carbon monoxide (CO) shall use ARB Test Method 10, Title 17, CCR, Section 94109, Determination of Carbon Monoxide Emissions from Stationary Sources, or ARB Test Method 100, or EPA Test Method 10, 40 CFR 60, Appendix A. A violation determined by any of these test methods shall constitute a violation of permit conditions.

Origin: AC-03-20 Condition 47

Authority: Rule 501 § 501, 307; 233 § 504

**6.H.4.** Testing for carbon dioxide (CO<sub>2</sub>) shall use ARB Test Method 100, Title 17, CCR, Section 94114, Procedures for Continuous Emission Stack Sampling, or EPA Test Method 3A, 40 CFR 60, Appendix A. A violation determined by any of these test methods shall constitute a violation of permit conditions.

Origin: AC-03-20 Condition 48.

Authority: Rule 501 § 501, 307; 233 § 504

**6.H.5.** Testing for PM and PM-10 shall use EPA Test Method 5 and EPA Test Method 202, or equivalent methods approved by the State of California Air Resources Board

(ARB) by reference in Title 17 of the California Administrative Code, or other methods specified by Sierra Pacific Industries and approved in writing by the District.

Origin: AC-03-20 Condition 49.

Authority: Rule 501 § 501, 307; 233 § 504

**6.H.6.** Testing for ammonia shall use Test Method BAAQMD ST-1B, or equivalent methods approved by the State of California Air Resources Board (ARB) by reference in Title 17 of the California Administrative Code, or other methods specified by Sierra Pacific Industries and approved in writing by the Air Pollution Control Officer.

Origin: AC-03-20 Condition 50.

Authority: Rule 501 § 501, 307; 233 § 504

**6.H.7.** Particulate matter testing shall include both filterable and condensed particulate matter (e.g., Method 5 modified to include impinger catch).

Origin: ATC-95-27 Condition 3.B.

Authority: Rule 221, Compliance Tests [adopted 6-19-79]

## **6.I. Reports And Notifications**

### **6.I.1. Notifications**

**6.I.1.a.** Sierra Pacific Industries shall notify the District of any emissions exceedance within two business hours of the occurrence of the exceedance, including any emissions exceedance indicated by the continuous emission monitoring devices.

Origin: AC-03-20 Condition 16

Authority: HSC 42706.

**6.I.1.b.** Sierra Pacific Industries shall notify the District within two hours of any upset conditions, breakdown or scheduled maintenance which cause emissions in excess of limits established by District Rules and Regulations.

Origin: AC-03-20 Condition 76

Authority: Rule 404

**6.I.1.c.** Any alteration of the subject equipment, including a change in the method of operation, shall be reported to the District. Such alternations may require an Authority to Construct Permit.

Origin: AC-03-20 Condition 77

Authority: Rule 501

**6.I.1.d.** In the event of a breakdown of monitoring (CEM) equipment, Sierra Pacific Industries shall notify the Air Pollution Control Officer and initiate repairs. Sierra Pacific Industries shall notify the Air Pollution Control Officer of the intent to shut down any monitoring equipment at least 24 hours prior to the event. A breakdown of monitoring

equipment or shutdown for scheduled maintenance which persists longer than ninety-six (96) hours shall constitute a violation of any applicable emission limitation or restriction prescribed by District Rules and Regulations, unless Sierra Pacific Industries has obtained an Emergency Variance pursuant to Rule 404, Upset Conditions, Breakdown Or Scheduled Maintenance.

Origin: AC-03-20 Condition 29 E.

Authority: Rule 404 § C; Rule 501 § 303, 304.2.c; HSC 42706, 42301

## **6.1.2. Quarterly Reports**

### **6.1.2.a. Excess Emissions and CEM Performance Report**

Sierra Pacific Industries shall submit a written report of all excess emissions to the District and EPA (Attn.: A-3-3) for every calendar quarter. The report shall include the following:

1. The magnitude of excess emissions computed in accordance with 40 CFR § 60.13(h), any conversion factors used, and the date and time of commencement and completion of each time period of excess emissions.
2. Specific identification of each period of excess emissions that occurs during start-ups, shutdowns, and malfunctions of the boiler systems. The nature and cause of any malfunction (if known) and the corrective action taken or preventive measures adopted shall also be reported.
3. The date and time identifying each period during which the continuous monitoring system was inoperative, repaired, or adjusted. Such information shall be stated in the report.
4. When no excess emissions have occurred or the continuous monitoring system has not been inoperative, repaired, or adjusted, such information shall be stated in the report.
5. Excess emissions shall be defined as any period during which the average emissions of NO<sub>x</sub>, CO, or opacity, as measured by the CEM, exceeds the maximum emission limits set forth in Conditions 2.A.1, 2.A.2 and 2.A.3.

Origin: PSD-7-8-93 Condition IX.1.6.

Authority: 40 CFR § 52.21 PSD and Rule 233, Biomass Boilers § 502.3 [amended 10-6-94]

**6.1.2.b.** A summary of the subsections sections 16, 17 and 18 from condition 6.F.1.b. shall be prepared no later than 30 days after the end of the calendar quarter. This information shall be made available to the District upon request.

Origin: AC-03-20 Condition 35

Authority: Rule 501 § 405, 503; Rule 233 § 402

**6.1.2.c.** An excess emissions and monitoring systems performance report shall be submitted to the Air Pollution Control Officer within 30 days after the end of each calendar quarter.

Origin: AC-03-20 Condition 36

Authority: Rule 233 § 502

## **6.1.3. Semiannual Reports**

### **6.1.3.a. Deviation report**

Origin: Rule 507  
Authority: Rule 507

#### **6.1.4. Annual Reports**

##### **6.1.4.a. Annual Compliance certification statement**

Origin: Rule 507  
Authority: Rule 507

**6.1.4.b.** A report of the compliance testing shall be submitted to the District no later than sixty (60) days after the compliance test is performed. This report shall include a record of operating conditions at the plant throughout the conduct of testing including pounds per hour of steam produced during the testing.

Origin: AC-03-20 Condition 51  
Authority: Rule 501 § 405; HSC 42301

### **7. COMPLIANCE PLAN AND CERTIFICATION**

#### **7.A. Compliance Plan**

Sierra Pacific Industries shall implement a compliance plan. A copy of this compliance plan shall be attached and posted along with this Title V Permit to Operate. The compliance plan shall:

1. Describes the compliance status of an emissions unit with respect to each applicable federal requirement;
2. Describes how compliance will be achieved if an emissions unit is not in compliance with an applicable federal requirement at the time of permit issuance;
3. Assures that an emissions unit will continue to comply with those permit conditions with which it is in compliance; and
4. Assures that an emissions unit will comply, on a timely basis, with any applicable federal requirement that will become effective during the permit term.

Origin: Rule 507, Federal Operating Permit Program § 402.2.h [amended 04-17-01]  
Authority: Rule 507, Federal Operating Permit Program § 402.2.h [amended 04-17-01]

#### **7.B. Compliance Certification**

Sierra Pacific Industries shall submit compliance certification reports to the U.S. EPA and the APCO every twelve (12) months. The certification report shall:

1. Identify all permit terms or conditions and the means of monitoring each term or condition.
2. Include the compliance status and method(s) used to determine compliance for the current time period and over the entire reporting period of each term or condition.
3. Include any additional inspection, monitoring, or entry requirement that may be promulgated pursuant to Sections 114(a) and 504(b) of the Federal Clean Air Act between reports.
4. Be submitted on District approved forms for the compliance certification.
5. Be submitted within 45 days after the end of the reporting period of January 1-December 31.

The responsible official will certify in writing the truth, accuracy, and completeness of the certification report.

Origin: Rule 507, Federal Operating Permit Program § 402.2.n [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.n [amended 04-17-01]

### **7.C. Compliance Schedules**

1. Should any emissions unit in compliance with applicable federal requirements become noncompliant during the certification period, Sierra Pacific Industries shall develop and submit to the District a compliance schedule. The compliance schedule shall:

a. Resemble and be at least as stringent as that contained in any judicial consent decree, administrative order, or schedule approved by the District hearing board.

b. Include:

i. A statement that the emissions unit will continue to comply with those federal requirements with which it is still in compliance;

ii. A statement that the emissions unit will comply, on a timely basis, with any applicable federal requirement that may become effective during the remaining term of this Title V Permit to Operate.

iii. A list of all preventive or corrective actions or activities taken or proposed to be taken, and the dates when these activities have or will be performed and completed.

The compliance schedule, once approved by the District, shall be incorporated into the compliance certification plan and the revised plan affixed to this Title V Permit to Operate.

2. Sierra Pacific Industries shall submit progress reports consistent with the applicable compliance schedule at least semi-annually, or more frequently if specified in the applicable schedule requirements or requested by the District. Progress reports shall include:

a. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and; and the date when compliance will be achieved;

b. A log or record of dates when such activities, milestones or compliance was achieved; and

c. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted or taken.

Origin: Rule 507, Federal Operating Permit Program § 402.2.i [amended 04-17-01]

Authority: Rule 507, Federal Operating Permit Program § 402.2.i [amended 04-17-01]